

IN THE CLAIMS:

The following listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

Claim 1 (*Currently Amended*): A method for measuring data quality of service on a communication path between a first node in a traffic wireless network and a second node in a data network, the method comprising: ~~the steps of:~~

sending to the first node command information related to data quality of service measurements for at least one of the communications path and the second node;

performing measurements on at least one of the communication path and the second node to produce measurement information in relation to said command information; and

receiving response information in relation to said measurement information and said command information.

Claim 2 (*Original*): The measuring method of claim 1 wherein said sending step uses a wireless link.

Claim 3 (*Original*): The measuring method of claim 1, wherein said sending step uses a CDPD link.

Claim 4 (*Original*): The measuring method of claim 1, wherein said sending step uses a wireless LAN link.

Claim 5 (*Original*): The measuring method of claim 1, wherein said sending step uses a wired link.

Claim 6 (*Original*): The measuring method of claim 1, wherein said receiving step uses a wireless link.

Claim 7 (*Original*): The measuring method of claim 1, wherein said receiving step uses a CDPD link.

Claim 8 (*Original*): The measuring method of claim 1, wherein said receiving step uses a wireless LAN link.

B1
Cont
Claim 9 (*Original*): The measuring method of claim 1, wherein said receiving step uses a wired link.

Claim 10 (*Original*): The measuring method of claim 1, wherein said performing step produces measurement information related to circuit switched data.

Claim 11 (*Original*): The measuring method of claim 1, wherein said performing step produces measurement information related to packet data.

Claim 12 (*Original*): The measuring method of claim 1, wherein said performing step produces measurement information related to SMS messages.

Claim 13 (*Original*): The measuring method of claim 1, wherein said performing step produces measurement information related to wireless Internet access.

Claim 14 (*Original*): The measuring method of claim 1, wherein said performing step produces measurement information related to wireless Internet transactions.

Claim 15 (*Original*): The measuring method of claim 14, wherein wireless Internet transactions are e-commerce transactions.

Claim 16 (*Original*): The measuring method of claim 1, wherein said performing step produces measurement information related to push data.

Claim 17 (*Original*): The measuring method of claim 1, wherein said performing step produces measurement information related to latency.

121 Cont
Claim 18 (*Original*): The measuring method of claim 1, wherein said performing step produces measurement information includes Layer 3 network information.

Claim 19 (*Original*): The measuring method of claim 1, wherein said performing step produces measurement information includes RF information.

Claim 20 (*Original*): The measuring method of claim 1, wherein said performing step produces measurement information includes call connection information.

Claim 21 (*Original*): The measuring method of claim 1, wherein said performing step produces measurement information related to iDEN.

Claim 22 (*Original*): The measuring method of claim 1, wherein said performing step produces measurement information related to CDMA.

Claim 23 (*Original*): The measuring method of claim 1, wherein said performing step produces measurement information related to TDMA.

Claim 24 (*Original*): The measuring method of claim 1, wherein said performing step produces measurement information related to AMPS.

Claim 25 (*Currently Amended*): ~~The measuring method of claim 1, comprising the further step of:~~ A method for measuring data quality of service in a traffic wireless network comprising:

sending command information related to data quality of service measurements;

performing measurements to produce measurement information in relation to said

command information;

receiving response information in relation to said measurement information and said

command information; and

monitoring WAP gateway functions.

Claim 26 (*Currently Amended*): ~~The measuring method of claim 1, comprising the further step of:~~ A method for measuring data quality of service in a traffic wireless network comprising:

sending command information related to data quality of service measurements;

performing measurements to produce measurement information in relation to said

command information;

receiving response information in relation to said measurement information and said

command information; and

benchmarking in relation to a WAP gateway.

Claim 27 (*Currently Amended*): ~~The measuring method of claim 1, comprising the further step of:~~ A method for measuring data quality of service in a traffic wireless network comprising:

sending command information related to data quality of service measurements;

performing measurements to produce measurement information in relation to said

command information;

receiving response information in relation to said measurement information and

said command information; and

accessing a portal from the Internet for said command information and said measurement information.

Claim 28 (*Original*): The measuring method of claim 1, comprising the further step of:
scheduling missions related to said command information.

Claim 29 (*Original*): The measuring method of claim 1, comprising the further step of:
generating test traffic related to said measurement information.

Claim 30 (*Original*): The measuring method of claim 1, comprising the further step of:
storing said control information at a remote unit.

Claim 31 (*Original*): The measuring method of claim 1, comprising the further step of:

B1
Cont.

storing said measurement information at a remote unit.

Claim 32 (*Original*): The measuring method of claim 1, comprising the further step of:
pre-processing said measurement information at a remote unit.

Claim 33 (*Original*): The measuring method of claim 1, comprising the further step of:
post-processing said measurement information at a back end processor.

Claim 34 (*Original*): The measuring method of claim 1, comprising the further step of:
organizing remote unit data, related to said command information, at a back end processor.

BA
Cmd
Claim 35 (*Original*): The measuring method of claim 1, wherein said sending step includes sending said command information from a back end processor to at least one of a plurality of remote unit.

Claim 36 (*Original*): The measuring method of claim 1, wherein said performing step includes performing said measurements using one of a plurality of remote units.

Claim 37 (*Original*): The measuring method of claim 1, wherein said receiving step includes receiving said response information at a back end processor from at least one of a plurality of remote units.

Claim 38 (*Currently Amended*): A measuring system for measuring data quality of service on ~~at least one traffic~~ communication paths between remote nodes in a wireless network

and a node on a data network, the system comprising:

a back end processor for controlling the measuring system;

a plurality of remote units, in communication with said back end processor via a control link, for performing acting as remote nodes to perform measurements on at least one of the communication paths and the node on the data network ~~the at least one traffic wireless network.~~

Claim 39 (*Currently Amended*): The measuring system of claim 38 42, wherein said back end processor includes a fleet management element for managing said plurality of remote units.

AB1
Cont
Claim 40 (*Currently Amended*): The measuring system of claim 38 42, wherein said back end processor includes a test traffic generator for generating test traffic for said plurality of remote units.

Claim 41 (*Currently Amended*): The measuring system of claim 38 42, wherein said back end processor includes a post processor for post processing data collected from said plurality of remote units.

Claim 42 (*Currently Amended*): ~~The measuring system of claim 38;~~ A measuring system for measuring data quality of service on at least one traffic wireless network, comprising:

a back end processor for controlling the measuring system; and

a plurality of remote units, in communication with said back end processor via a control link, for performing measurements on the at least one traffic wireless network;

wherein the back end processor includes a portal for allowing customer access through the Internet.

Claim 43 (*Original*): The measuring system of claim 42, wherein said portal includes a mapping element for combining mapping information with post processed data from said plurality of remote units.

Claim 44 (*Currently Amended*): The measuring system of claim ~~38~~ 42, wherein each of said plurality of remote units includes a control unit for controlling said remote unit.

Claim 45 (*Original*): The measuring system of claim 44, wherein said control unit is a portable computer.

B1 Cont
Claim 46 (*Original*): The measuring system of claim 44, wherein said control unit is a single board computer.

Claim 47 (*Currently Amended*): The measuring system of claim ~~38~~ 42, wherein each of said plurality of remote units includes a location unit for providing position information.

Claim 48 (*Original*): The measuring system of claim 47, wherein said location unit is a GPS receiver.

Claim 49 (*Currently Amended*): The measuring system of claim ~~38~~ 42, wherein each of said plurality of remote units includes a control link modem for communicating via said control link with said back end processor.

Claim 50 (*Original*): The measuring system of claim 49, wherein said control link modem is a CDPD modem.

Claim 51 (*Original*): The measuring system of claim 49, wherein said control link modem is a software-defined radio modem.

Claim 52 (*Original*): The measuring system of claim 49, wherein said control link modem is a wired modem.

Claim 53 (*Original*): The measuring system of claim 49, wherein each of said plurality of remote units includes at least one traffic modem for performing said measurements on a respective traffic wireless network of the at least one traffic wireless network.

131
CMT
Claim 54 (*Currently Amended*): ~~The measuring system of claim 53,~~ A measuring system for measuring data quality of service on at least one traffic wireless network, comprising:

a back end processor for controlling the measuring system; and

a plurality of remote units, in communication with said back end processor via a control link, for performing measurements on the at least one traffic wireless network;

wherein each of said plurality of remote units includes a control link modem for communicating via said control link with said back end processor;

wherein each of said plurality of remote units includes at least one traffic modem for performing said measurements on a respective traffic wireless network of the at least one traffic wireless network; and

wherein a respective traffic modem of said at least one traffic modem is said control link modem.

Claim 55 (*Original*): The measuring system of claim 53, wherein a respective traffic modem of said at least one traffic modem is a modem module.

Claim 56 (*Original*): The measuring system of claim 53, wherein a respective traffic modem of said at least one traffic modem is a cellular phone.

Claim 57 (*Original*): The measuring system of claim 53, wherein a respective traffic modem of said at least one traffic modem is a software-defined radio.

4B1
Cont.
Claim 58 (*Original*): The measuring system of claim 53, wherein a respective traffic modem of said at least one traffic modem is an iDEN modem.

Claim 59 (*Original*): The measuring system of claim 53, wherein a respective traffic modem of said at least one traffic modem is a CDMA modem.

Claim 60 (*Original*): The measuring system of claim 53, wherein a respective traffic modem of said at least one traffic modem is a TDMA modem.

Claim 61 (*Original*): The measuring system of claim 53, wherein a respective traffic modem of said at least one traffic modem is a GSM modem.

Claim 62 (*Currently Amended*): The measuring system of claim ~~38~~ 42, wherein said measurements are performed on circuit switched data.

Claim 63 (*Currently Amended*): The measuring system of claim ~~38~~ 42, wherein said measurements are performed on packet data.

Claim 64 (*Currently Amended*): The measuring system of claim ~~38~~ 42, wherein said measurements are performed on SMS messages.

Claim 65 (*Currently Amended*): The measuring system of claim ~~38~~ 42, wherein said measurements are performed on wireless Internet access.

Claim 66 (*Currently Amended*): The measuring system of claim ~~38~~ 42, wherein said measurements are performed on wireless Internet transactions.

Claim 67 (*Currently Amended*): The measuring system of claim ~~38~~ 42, wherein said measurements are performed on wireless Internet e-commerce transactions.

Claim 68 (*Currently Amended*): The measuring system of claim ~~38~~ 42, wherein said measurements are performed on push data.

Claim 69 (*Currently Amended*): The measuring system of claim ~~38~~ 42, wherein said measurements include latency measurements.

Claim 70 (*Currently Amended*): The measuring system of claim ~~38~~ 42, wherein said measurements include data reliability.

Claim 71 (*Currently Amended*): The measuring system of claim ~~38~~ 42, wherein said measurements include Layer 3 network information.

Claim 72 (*Currently Amended*): The measuring system of claim 38 42, wherein said measurements include RF information.

Claim 73 (*Currently Amended*): The measuring system of claim 38 42, wherein said measurements include call connection information.

Claim 74 (*Currently Amended*): The measuring system of claim 38 42, wherein each of said plurality of remote units includes a plurality of traffic modems for performing said measurements on the at least one traffic wireless network.

131
Cont.
Claim 75 (*Currently Amended*): The measuring system of claim 38 42, wherein each of said plurality of remote units includes a battery backup for providing backup battery power.

Claim 76 (*Currently Amended*): The measuring system of claim 38 42, wherein each of said plurality of remote units includes an external storage for storing at least one of said measurements.

Claim 77 (*Currently Amended*): The measuring system of claim 38 42, wherein each of said plurality of remote units includes a wireless LAN device for communicating with said back end processor.

Claim 78 (*Currently Amended*): The measuring system of claim 38 42, wherein each of said plurality of remote units includes an RF scanner for measuring the at least one traffic wireless network.

Claim 79 (*Original*): The measuring system of claim 78, wherein said RF scanner is a software-defined radio.

Claim 80 (*Currently Amended*): ~~The measuring system of claim 38, further comprising:~~
A measuring system for measuring data quality of service on at least one traffic wireless network,
comprising:

a back end processor for controlling the measuring system;

a plurality of remote units, in communication with said back end processor via a
control link, for performing measurements on the at least one traffic wireless network;

By Cont
and

a WAP monitor for monitoring WAP gateway functions.

Claim 81 (*Currently Amended*): ~~The measuring system of claim 38, further comprising:~~
A measuring system for measuring data quality of service on at least one traffic wireless network,
comprising:

a back end processor for controlling the measuring system;

a plurality of remote units, in communication with said back end processor via a
control link, for performing measurements on the at least one traffic wireless network;

and

a WAP benchmarker for benchmarking in relation to a WAP gateway.

Claim 82 (*Currently Amended*): The measuring system of claim ~~38~~ 42, wherein at least one of said plurality of remote units is stationary.

Claim 83 (*Currently Amended*): The measuring system of claim 38 42, wherein at least one of said plurality of remote units is mobile.

Claim 84 (*Currently Amended*): The measuring system of claim 38 42, wherein all of said plurality of remote units, within a geographic area, are stationary.

Claim 85 (*Currently Amended*): The measuring system of claim 38 42, wherein said control link is wired.

Claim 86 (*Currently Amended*): The measuring system of claim 38 42, wherein said control link is wireless.

MSJ
cont.
Claim 87 (*Currently Amended*): The measuring system of claim 38 42, wherein said control link is wired and wireless.

Claim 88 (*Currently Amended*): ~~The measuring system of claim 38,~~ A measuring system for measuring data quality of service on at least one traffic wireless network, comprising:

a back end processor for controlling the measuring system; and

a plurality of remote units, in communication with said back end processor via a control link, for performing measurements on the at least one traffic wireless network;

wherein said control link uses a wireless standard in relation to a geographic area of the associated remote units.

Claim 89 (*Currently Amended*): A remote unit, which is one of a plurality of remote units

that communicates with a back end processor, for measuring data quality of service on ~~at least one~~ a communication path between a first node in a traffic wireless network and a second node in a data network, the remote unit comprising:

a control unit for controlling said remote unit;
a location unit for providing position information;
a control link modem for communicating via a control link with the back end processor; and

at least one traffic modem for performing measurements on at least one of the communication path and the second node ~~on a respective traffic wireless network of the at least one traffic wireless network.~~

1B 1
Cont.

Claim 90 (*Original*): The remote unit of claim 89, wherein said control unit is a portable computer.

Claim 91 (*Original*): The remote unit of claim 89, wherein said control unit is a single board computer.

Claim 92 (*Original*): The remote unit of claim 89, wherein said location unit is a GPS receiver.

Claim 93 (*Original*): The remote unit of claim 89, wherein said control link modem is a CDPD modem.

Claim 94 (*Original*): The remote unit of claim 89, wherein said control link modem is a

software-defined radio modem.

Claim 95 (*Original*): The remote unit of claim 89, wherein said control link modem is a wired modem.

Claim 96 (*Original*): The remote unit of claim 89, wherein each traffic modem of said at least one traffic modem performs measurements on a respective traffic wireless network of the at least one traffic wireless network.

Claim 97 (*Currently Amended*): ~~The remote unit of claim 89,~~ A remote unit, which is one of a plurality of remote units that communicates with a back end processor, for measuring data quality of service on at least one traffic wireless network, comprising:

a control unit for controlling said remote unit;

a location unit for providing position information;

a control link modem for communicating via a control link with the back end processor; and

at least one traffic modem for performing measurements on a respective traffic wireless network of the at least one traffic wireless network;

wherein a respective traffic modem of said at least one traffic modem is said control link modem.

Claim 98 (*Original*): The remote unit of claim 89, wherein a respective traffic modem of said at least one traffic modem is a modem module.

Claim 99 (*Original*): The remote unit of claim 89, wherein a respective traffic modem of said at least one traffic modem is a cellular phone.

Claim 100 (*Original*): The remote unit of claim 89, wherein a respective traffic modem of said at least one traffic modem is a software-defined radio.

Claim 101 (*Original*): The remote unit of claim 89, wherein a respective traffic modem of said at least one traffic modem is an iDEN modem.

Claim 102 (*Original*): The remote unit of claim 89, wherein a respective traffic modem of said at least one traffic modem is a CDMA modem.

Claim 103 (*Original*): The remote unit of claim 89, wherein a respective traffic modem of said at least one traffic modem is a TDMA modem.

Claim 104 (*Original*): The remote unit of claim 89, wherein a respective traffic modem of said at least one traffic modem is a GSM modem.

Claim 105 (*Original*): The remote unit of claim 89, wherein said measurements are performed on circuit switched data.

Claim 106 (*Original*): The remote unit of claim 89, wherein said measurements are performed on packet data.

Claim 107 (*Original*): The remote unit of claim 89, wherein said measurements are performed on SMS messages.

Claim 108 (*Original*): The remote unit of claim 89, wherein said measurements are performed on wireless Internet access.

Claim 109 (*Original*): The remote unit of claim 89, wherein said measurements are performed on wireless Internet transactions.

Claim 110 (*Original*): The remote unit of claim 89, wherein said measurements are performed on wireless Internet e-commerce transactions.

Claim 111 (*Original*): The remote unit of claim 89, wherein said measurements are performed on push data.

Claim 112 (*Original*): The remote unit of claim 89, wherein said measurements include latency measurements.

Claim 113 (*Original*): The remote unit of claim 89, wherein said measurements include data reliability.

Claim 114 (*Original*): The remote unit of claim 89, wherein said measurements include Layer 3 network information.

Claim 115 (*Original*): The remote unit of claim 89, wherein said measurements include RF information.


Claim 116 (*Original*): The remote unit of claim 89, wherein said measurements include call connection information.

Claim 117 (*Original*): The remote unit of claim 89, wherein each of said plurality of remote units includes a battery backup for providing backup battery power.

Claim 118 (*Original*): The remote unit of claim 89, further comprising:
an external storage for storing at least one of said measurements.

Claim 119 (*Original*): The remote unit of claim 89, further comprising:
a wireless LAN device for communicating with the back end processor.

Claim 120 (*Original*): The remote unit of claim 89, further comprising:
an RF scanner for measuring the at least one traffic wireless network.

 Claim 121 (*Original*): The remote unit of claim 120, wherein said RF scanner is a software-defined radio.

Claim 122 (*Original*): The remote unit of claim 89, wherein said remote unit is stationary.

Claim 123 (*Original*): The remote unit of claim 89, wherein said remote unit is mobile.

Claim 124 (*Original*): The remote unit of claim 89, wherein said control link is wired.

Claim 125 (*Original*): The remote unit of claim 89, wherein said control link is wireless.

Claim 126 (*Currently Amended*): ~~The remote unit of claim 89,~~ A remote unit, which is one of a plurality of remote units that communicates with a back end processor, for measuring

data quality of service on at least one traffic wireless network, comprising:

a control unit for controlling said remote unit;

a location unit for providing position information;

a control link modem for communicating via a control link with the back end

processor; and

at least one traffic modem for performing measurements on a respective traffic

wireless network of the at least one traffic wireless network;

wherein said control link uses a wireless standard in relation to a geographic area
of the associated remote unit.

B1
Cont

Claim 127 (*Currently Amended*): A method for measuring data quality of service on
communication paths between plural remote units in a traffic wireless network and a second node
in a data network, using a back end processor and the plural remote units, the method
comprising:

sending command information from the back end processor to at least two of the
plural remote units, the command information being related to data quality of service
measurements for at least one of the communication paths and the second node;

performing measurements on ~~the traffic wireless network~~ at least one of the
communication paths and the second node, using the at least two of the plural remote
units, to produce measurement information in relation to said command information; and

receiving response information at the back end processor from the at least two of
the plural remote units, said response information being in relation to said measurement

information and said command information;

wherein said response information provides a measure of data quality of service ~~in~~
~~the traffic wireless network~~ for at least one of the digital communication paths and the
second node.

Claim 128 (*Currently Amended*): A method for measuring data quality of service on a
communication path between a first node in a traffic wireless network and a second node in a
data network, the method comprising:

receiving at the first node command information related to data quality of service
measurements for at least one of the communication path and the second node, the
command information being sent from a back end processor;

performing one or more measurements of performance ~~in the traffic wireless~~
~~network~~ on at least one of the communication path and the second node to produce
measurement information in relation to said command information; and

sending response information in relation to said measurement information and
said command information to the back end processor.

Claim 129 (*Currently Amended*): A method for producing a measurement result that is
indicative of data quality of service on communication paths between plural remote units in a
traffic wireless network and a second node on a data network, the method comprising:


sending command information to the plural remote units, said command
information being related to data quality of service measurements for at least one of the

communication paths and the second node;

receiving response information from the plural remote units, said response information being in relation to said command information and measurements performed on the ~~traffic wireless network~~ at least one of the communication paths and the second node via the plural remote units; and

generating a measurement result based on said response information.

Claim 130 (*Currently Amended*): A system for assessing data quality of service on communication paths between remote nodes in a wireless network and a node on a data network, the system comprising:

 means for obtaining measurements, at a statistically significant number of locations, of a performance parameter ~~on the wireless network~~ of at least one of the communications paths and the node on the data network; and

means for consolidating information indicative of the measurements obtained by the means for obtaining;

wherein the information consolidated by the means for consolidating provides an assessment of data quality of service ~~on the wireless network~~ for the at least one of the communication paths and the node on the data network.

Claim 131 (*Original*): The system of claim 130, wherein the means for obtaining measurements comprises plural remote units.

Claim 132 (*Original*): The system of claim 131, wherein a portion of the plural remote

units are mobile units.

Claim 133 (*Original*): The system of claim 131, wherein substantially all of the plural measurement units are mobile units.

Claim 134 (*Original*): The system of claim 131, wherein substantially all of the plural measurement units are stationary units.

Claim 135 (*Original*): The system of claim 130, wherein the means for consolidating comprises a back end processor.

131
Cont.
Claim 136 (*Original*): The system of claim 130, wherein the means for obtaining measurements performs the function of obtaining measurements in response to command information received from the means for consolidating.

Claim 137 (*Currently Amended*): A device for obtaining measurements indicative of data quality of service for at least one of communication paths between the device on a wireless network providing data service and a node on a data network, the device comprising:

a control link modem providing communications with a back end processor;

a traffic modem providing communications via the wireless network;

a location unit providing position information; and

a computer, the computer comprising:

a processor in communication with the control link modem and the traffic modem,

and being connected to the location unit, and

a memory, connected to the processor, bearing software instructions adapted to enable the computer to perform the steps of:

receiving command information from the back end processor;

sending test traffic over one or more of the communication paths from the device on the wireless network to the node on the data network based on the command information received from the back end processor;

receiving response traffic over the wireless network from the node on the data network in reply to the test traffic;

recording measurement information comprising information regarding the test traffic, the response traffic, and location information contemporaneous with the step of receiving response traffic; and

sending the recorded measurement information to the back end processor.

B1
Cont

Claim 138 (*Currently Amended*): A device for obtaining measurements indicative of data quality of service for at least one of communication paths between the device on a wireless network providing data service and a node on a data network, the device comprising:

a control link modem providing communications with a back end processor;

a traffic modem providing communications via the wireless network;

a location unit providing position information; and

a computer, the computer comprising:

a processor in communication with the control link modem and the traffic modem, and being connected to the location unit, and

a memory, connected to the processor, bearing software instructions adapted to enable the computer to perform the steps of:

receiving command information from the back end processor;

receiving test traffic over one or more of the communication paths between the device on the wireless network and the node on the data network;

recording measurement information comprising information regarding the test traffic and location information contemporaneous with the step of receiving test traffic; and

sending the recorded measurement information to the back end processor.

261
Cont.

Claim 139 (*Currently Amended*): A device for obtaining measurements indicative of data quality of service for at least one of communication paths between the device on a wireless network providing data service and a node on a data network, the device comprising:

a modem providing communications with a back end processor and providing communications via the wireless network;

a location unit providing position information; and

a computer, the computer comprising:

a processor in communication with the modem and being connected to the location unit, and

a memory, connected to the processor, bearing software instructions adapted to enable the computer to perform the steps of:

receiving command information from the back end processor;

sending test traffic over one or more of the communication paths from the device on the wireless network to the node on the data network based on the command information received from the back end processor;
receiving response traffic over the wireless network from the node on the data network in reply to the test traffic;
recording measurement information comprising information regarding the test traffic, the response traffic, and location information contemporaneous with the step of receiving response traffic; and
sending the recorded measurement information to the back end processor.

JP
Cont.

Claim 140 (*Currently Amended*): A device for obtaining measurements indicative of data quality of service for at least one of communication paths between the device on a wireless network providing data service and a node on a data network, the device comprising:

a modem providing communications with a back end processor and providing communications via the wireless network;

a location unit providing position information; and

a computer, the computer comprising:

a processor in communication with the modem and being connected to the location unit, and

a memory, connected to the processor, bearing software instructions adapted to enable the computer to perform the steps of:

receiving command information from the back end processor;

receiving test traffic over one or more of the communication paths between
the device on the wireless network and the node on the data network;
recording measurement information comprising information regarding the test
traffic and location information contemporaneous with the step of
receiving test traffic; and
sending the recorded measurement information to the back end processor.

Claim 141 (*Withdrawn*): A method of conducting commerce, the method comprising:

performing measurements on a wireless network, the measurements being
indicative of data quality of service for the wireless network;
consolidating the performed measurements at a back end processor to form data
quality of service information; and
providing the data quality of service information to a customer in exchange for value.

Claim 142 (*Withdrawn*): The method of conducting commerce of claim 141, further
comprising:

receiving a mission request from the customer, wherein the measurements are
performed in response to the mission request.

Claim 143 (*Withdrawn*): The method of conducting commerce of claim 141, wherein the
customer is a content provider.

Claim 144 (*Previously Presented*): The measuring method of claim 1, wherein said

performing step produces measurement information related to CDPD.

Claim 145 (*Previously Presented*): The measuring method of claim 1, wherein said performing step produces measurement information related to PDAs.

Claim 146 (*Previously Presented*): The measuring method of claim 1, wherein said performing step produces measurement information related to GSM.

Claim 147 (*Previously Presented*): The measuring system of claim 53, wherein a respective traffic modem of said at least one traffic modem is a CDPD modem.

Claim 148 (*Previously Presented*): The measuring system of claim 53, wherein a respective traffic modem of said at least one traffic modem is a PDA modem.

101
Cont.
Claim 149 (*Previously Presented*): The remote unit of claim 89, wherein a respective traffic modem of said at least one traffic modem is a PDA modem.

Claim 150 (*Previously Presented*): The remote unit of claim 89, wherein a respective traffic modem of said at least one traffic modem is a CDPD modem.

Claim 151 (*Previously Presented*): The remote unit of claim 89, wherein said measurements are performed on PDA traffic.

Claim 152 (*Previously Presented*): The remote unit of claim 89, wherein said measurements are performed on CDPD traffic.

Claim 153 (*Previously Presented*): The measuring method of claim 1, wherein said performing step produces measurement information related to private data network traffic.

Claim 154 (*Currently Amended*): The measuring system of claim 38 42, wherein said measurements are performed on private data network traffic.

Claim 155 (*Previously Presented*): The remote unit of claim 89, wherein said measurements are performed on private data network access.

Claim 156 (*Withdrawn*): A measuring system for measuring data quality of service on a wireless network that includes a WAP gateway, the measuring system comprising:

a WAP monitoring processor, communicating with the WAP gateway, for monitoring WAP traffic passing through the WAP gateway.

Claim 157 (*Withdrawn*): The measuring system of claim 156, wherein said WAP monitoring processor includes an implementation of monitoring software on the WAP gateway.

Claim 158 (*Withdrawn*): The measuring system of claim 156, wherein said WAP monitoring processor includes an implementation of monitoring software embedded into the WAP gateway software.

Claim 159 (*Withdrawn*): The measuring system of claim 156, wherein said WAP monitoring processor includes an implementation of monitoring software on a machine attached to the WAP gateway.

AMENDMENT UNDER 37 C.F.R. § 1.111
Appln. No. 09/550,955

PATENT APPLICATION

Claim 160 (*Withdrawn*): The measuring system of claim 156, wherein said WAP monitoring processor measures throughput.

Claim 161 (*Withdrawn*): The measuring system of claim 156, wherein said WAP monitoring processor measures latency.

Claim 162 (*Withdrawn*): The measuring system of claim 156, wherein said WAP monitoring processor measures lost packet information.
